

FUTURE OF WESTERN MARKETS

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SENIOR VICE PRESIDENT OF OPERATIONS

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*Working together to responsibly and economically
keep the lights on today and in the future.*



SouthwestPowerPool



SPPorg



southwest-power-pool



Southwest Power Pool
**WESTERN
ENERGY
SERVICES**

RTO West

- 9 organizations joining RTO in 2025; expected \$49M annual savings for new & existing members

Western Energy Imbalance Service (WEIS) Market

- Launched Feb. 2021; 3 new members joining in 2023 bringing load to 13.5 GW

Markets+

- New real-time/day-ahead market in development with western parties (will replace WEIS)

Western Reliability Coordination Service

- Maintaining reliability for 13 western transmission operators

Western Interconnection Unscheduled Flow Mitigation Plan

- Helping 6 western organizations manage grid congestion

Western Resource Adequacy Program Operator

- Partnering with Western Power Pool to ensure resource adequacy

Achieve
clean
energy
goals

Reinforce
system
reliability

Provide
economic
benefits

New
opportunities
to trade low-
cost power

Maintain
resource
adequacy

WESTERN MARKET NEEDS

- Operate with high renewables
 - Maintain a resilient system
 - Transfer power over a wide area
- Build appropriate transmission
 - Regional transmission planning
 - Acceptable transmission cost allocation
- Equitable contribution to grid reliability

MARKET OPTIONS

Real-Time Markets:

- Transmission Planning*
- BAA Consolidation*
- Transmission Service Provider*
- Resource Adequacy*
- Reliability Coordinator*
- SPP: WEIS
- CAISO: EIM

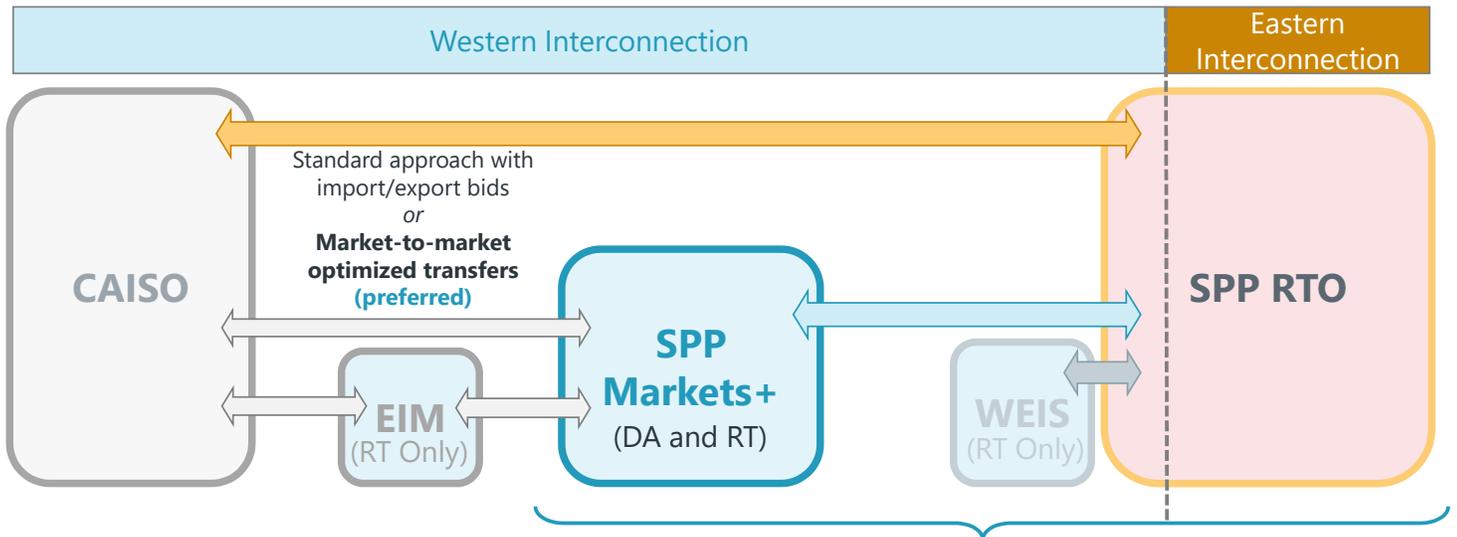
SPP's West DA/RT option: SPP MARKETS+

- Transmission Planning*
- BAA Consolidation*
- Transmission Service Provider*
- Resource Adequacy
- Reliability Coordinator
- Day-Ahead Market
- Real-Time Market

SPP RTO

- Transmission Planning
- BAA Consolidation
- Transmission Service Provider
- Resource Adequacy
- Reliability Coordinator
- Day-Ahead Market
- Real-Time Market

WESTERN MARKETS ROADMAP



Ideally a single co-optimized unit commitment and dispatch under a robust governance framework with an independent board

What questions do you have?

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